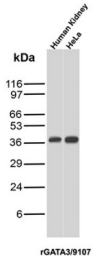
Recombinant GATA3 Antibody / GATA-binding factor 3 [clone rGATA3/9107] (V5519)

Catalog No.	Formulation	Size
V5519-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5519-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5519SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

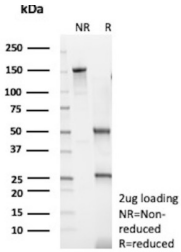
Recombinant | MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2b, kappa
Clone Name	rGATA3/9107
Purity	Protein A/G affinity
UniProt	P23771
Localization	Nucleus
Applications	Western Blot : 2-4ug/ml
Limitations	This recombinant GATA3 antibody is available for research use only.



GATA3 Antibody Human Kidney and HeLa WB. Western blot analysis of human kidney and HeLa cell lysates using recombinant GATA3 Antibody / GATA Binding Protein 3 Antibody clone rGATA3/9107. A distinct band is detected at approximately 40 kDa, consistent with reported migration patterns of GATA binding protein 3 / GATA3, a zinc finger transcription factor involved in epithelial differentiation and T-cell lineage regulation.



SDS-PAGE analysis of purified, BSA-free GATA3 antibody (clone rGATA3/9107) as confirmation of integrity and purity.

Description

GATA-3 (GATA binding protein 3) is a member of the GATA family of transcription factors. This 50kDa nuclear protein regulates the development and subsequent maintenance of a variety of human tissues, including hematopoietic cells, skin, kidney, mammary gland, and the central nervous system. Among several other roles, GATA-3 involved in luminal cell differentiation in the mammary gland and appears to control a set of genes involved in the differentiation and proliferation of breast cancer. The expression of GATA-3 is associated with the expression of estrogen receptor-alpha (ER) in breast cancer. GATA-3 has been shown to be a novel marker for bladder cancer. The study demonstrated that GATA-3 stained 67% of urothelial Carcinomas, but none of prostate or renal carcinomas.

For highly selective detection of GATA3 in breast lineage-associated and epithelial differentiation studies, see the GATA3 Antibody / Breast Lineage Marker Antibody clone GATA3/2444 featuring protein microarray specificity validation.

Application Notes

Optimal dilution of the recombinant GATA3 antibody should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 200-300) of human GATA-3 protein was used as the immunogen for the recombinant GATA3 antibody.

Storage

Aliquot the recombinant GATA3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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